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Docket No. 03-101-2 Regulatory Analysis and Development, PPD, APHIS Station 3C71 River Road Unit 118 Riverdale, MD 20737-1238

To Whom It May Concern:

RE: Comment refers to Docket No. 03-101-2

The Oregon Seed Certification Service provides a service to the public for the maintenance and increase of quality seed and propagating material. This service is provided to insure varietal purity and seed quality through review and retention of crop production records and a series of field and laboratory evaluations.

The Oregon Seed Certification Service provides for certification of grasses, legumes, grains, mint, potatoes, other miscellaneous crops, and forest tree reproductive material. For most seed crops, this involves an application for seedling inspection and review of records and cropping history, a crop inspection, the sampling of each seed lot after harvest and cleaning, testing of seed for quality evaluation, and final tagging of each seed bag to verify final certification.

The Oregon Seed Certification Service certified 226,507 acres of seed crops in 2003. This acreage represented 960 varieties of 51 different crop species. There were 922 seed growers, 375 seed warehouses, and 278 seed contractors involved in the Oregon Seed Certification Service process.

As part of the Animal and Plant Health Inspection Service Environmental Impact Statement Study for Docket No. 03-101-2, the Oregon State University Seed Services Program is providing a summary of Oregon Seed Certification Service certified production and quality evaluation document for crop years 2000 through 2003 for your information and records.

Sincerely

Lee Schweitzer

Director of Seed Services

C:\Data\Gmo\Comment for GMO bentgrass.doc

| Crop Produ | Averages for Tested Samples | | | | | | |
|--------------------|-----------------------------|--------------------------|------------------|-----------|------------|-----------|-------|
| 2000 Crop | Acres Passed | Certification Acres % | Number tested | Pure seed | Other crop | Weed seed | Inert |
| Tall fescue | 96,562 | 37% | 2736 | 98.90% | 0.14% | 0.02% | 0.81% |
| Perennial ryegrass | 89,293 | 34% | 3105 | 98.62% | 0.01% | 0.01% | 1.35% |
| Kentucky bluegrass | 11,315 | 4% | 338 | 98.13% | 0.04% | 0.11% | 1.72% |
| Chewings fescue | 11,020 | 4% | 334 | 98.84% | 0.02% | 0.05% | 1.09% |
| Orchardorass | 8,659 | 3% | 217 | 93.76% | 0.40% | 0.03% | 5.51% |
| Red fescue | 7,180 | 3% | 199 | 98.48% | 0.02% | 0.16% | 1.34% |
| Wheat | 6,932 | 3% | 47 | 99.72% | 0.00% | 0.00% | 0.28% |
| Creeping bentgrass | 5,894 | 2% | 377 | 98.83% | 0.02% | 0.01% | 1.15% |
| Rough bluegrass | 5,254 | 2% | 149 | 98.41% | 0.20% | 0.16% | 1.16% |
| Hard fescue | 4,949 | 2% | 168 | 98.06% | 0.05% | 0.21% | 1.54% |
| Annual ryegrass | 3,113 | 1% | 160 | 99.71% | 0.00% | 0.01% | 0.28% |
| Colonial bentgrass | 3,013 | 1% | 161 | 98.26% | 0.02% | 0.22% | 1.49% |
| Alfalfa | 1,341 | 1% | 3 | 99.91% | 0.00% | 0.00% | 0.09% |
| Barley | 1,037 | 0% | 4 | 99.90% | 0.00% | 0.00% | 0.10% |
| 2001 Crop | | | • | | | | |
| Tall fescue | 107,944 | 42% | 2812 | 98.93% | 0.10% | 0.01% | 0.91% |
| Perennial ryegrass | 75,972 | 30% | 2097 | 98.55% | 0.01% | 0.01% | 1.42% |
| Kentucky bluegrass | 14,831 | 6% | 320 | 98.27% | 0.02% | 0.04% | 1.67% |
| Chewings fescue | 9,178 | 4% | 144 | 98.74% | 0.01% | 0.03% | 1.22% |
| Red fescue | 9,022 | 4% | 93 | 98.54% | 0.01% | 0.11% | 1.35% |
| Orchardgrass | 8,321 | 3% | 144 | 94.29% | 0.24% | 0.03% | 5.40% |
| Wheat | 5,207 | 2% | 30 | 99.54% | 0.08% | 0.00% | 0.37% |
| Hard fescue | 4,832 | 2% | 98 | 98.66% | 0.01% | 0.07% | 1.26% |
| Creeping bentgrass | 4,423 | 2% | 98 | 99.01% | 0.00% | 0.00% | 0.99% |
| Rough bluegrass | 3,588 | 1% | 85 | 98.80% | 0.08% | 0.03% | 1.09% |
| Colonial bentgrass | 3,449 | 1% | 81 | 98.38% | 0.02% | 0.15% | 1.44% |
| Annual ryegrass | 2,356 | 1% | 106 | 99.78% | 0.01% | 0.00% | 0.21% |
| 2002 Crop | | | | | | | |
| Tall fescue | 115,398 | 47% | 3101 | 98.93% | 0.12% | 0.01% | 0.74% |
| Perennial ryegrass | 62,833 | 26% | 2077 | 98.42% | 0.01% | 0.01% | 1.56% |
| Kentucky bluegrass | 14,620 | 6% | 403 | 98.21% | 0.02% | 0.03% | 1.74% |
| Orchardgrass | 9,725 | 4% | 200 | 93.43% | 0.37% | 0.06% | 5.52% |
| Wheat | 8,669 | 4% | 52 | 99.64% | 0.01% | 0.00% | 0.36% |
| Red fescue | 6,858 | 3% | 72 | 98.48% | 0.02% | 0.08% | 1.41% |
| Chewings fescue | 5,784 | 2% | 81 | 98.47% | 0.03% | 0.06% | 1.18% |
| Colonial bentgrass | 3,917 | 2% | 78 | 98.78% | 0.02% | 0.12% | 1.08% |
| Creeping bentgrass | 3,414 | 1% | 43 | 98.94% | 0.00% | 0.01% | 1.05% |
| Hard fescue | 2,963 | 1% | 53 | 97.90% | 0.02% | 0.12% | 1.96% |
| Annual ryegrass | 2,526 | 1% | 143 | 99.78% | 0.01% | 0.02% | 0.19% |
| Rough bluegrass | 1,946 | 1% | 47 | 99.03% | 0.06% | 0.03% | 0.88% |
| Oat | 1,150 | 0% | 11 | 99.91% | 0.01% | 0.00% | 0.09% |
| 2003 Crop | 7 | | | | | | |
| Tall fescue | 90,493 | 41% | 2223 | 99.03% | 0.10% | 0.01% | 0.80% |
| Perennial ryegrass | 67,868 | 30% | 2102 | 98.46% | 0.02% | 0.02% | 1.48% |
| Kentucky bluegrass | 13,644 | 6% | 287 | 98.16% | 0.02% | 0.05% | 1.77% |
| Wheat | 11,543 | 5% | 54 | 99.75% | 0.00% | 0.00% | 0.25% |
| Orchardgrass | 10,475 | 5% | 153 | 93.46% | 0.49% | 0.06% | 5.61% |
| Red fescue | 5,114 | 2% | 47 | 98.74% | 0.00% | 0.05% | 1.21% |
| Colonial bentgrass | 4,159 | 2% | 103 | 98.38% | 0.02% | 0.11% | 1.48% |
| Chewings fescue | 3,764 | 2% | 37 | 98.50% | 0.01% | 0.04% | 1.45% |
| Creeping bentgrass | 3,301 | 1% | 19 | 98.33% | 0.00% | 0.00% | 1.67% |
| Rough bluegrass | 2,067 | 1% | 71 | 99.03% | 0.06% | 0.03% | 0.88% |
| Annual ryegrass | 1,874 | 1% | 65 | 99.62% | 0.01% | 0.05% | 0.32% |
| Barley | 1,017 | 0% | 4 | 99.26% | 0.01% | 0.00% | 0.74% |

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Data for 2000 as of 11/28/2001.

Data for 2001 as of 11/28/2001.

Data for 2002 as of 12/2/2002.

Data for 2003 as of 12/2/2003.

| 2000 Crop | Pure seed minimum. | Samples | % for Crop | Other crop maximum | Samples | % for Crop | Weed seed maximum | Samples | % for Crop | inert maximum | Samples | % for Crop |
|--|--|--|---|--|--|---|---|--|---|---|--|--|
| Tall fescue Perennial ryegrass Kentucky bluegrass Chewings fescue Orchardgrass Red fescue Wheat Creeping bentgrass Rough bluegrass Hard fescue Annual ryegrass Colonial bentgrass Alfalfa Barley | 98,00% 97,00% 97,00% 97,00% 97,00% 90,00% 98,00% 98,00% 92,00% 97,00% 98,00% 98,00% 98,00% 98,00% | 2479 2933 334 321 202 186 47 326 148 145 158 127 3 | 90.6% 94.5% 98.8% 96.1% 93.1% 93.5% 100.0% 86.5% 99.3% 86.3% 98.8% 78.9% 100.0% | 0.50% 0.50% 0.25% 0.25% 0.80% 0.05% 0.05% 0.05% 0.25% 0.25% 0.50% | 2550 3090 324 329 172 195 47 373 121 157 160 160 3 | 93.2% 99.5% 95.9% 98.5% 79.3% 98.0% 100.0% 81.2% 93.5% 100.0% 99.4% 100.0% 100.0% | 0.30% 0.50% 0.30% 0.30% 0.30% 0.30% 0.30% 0.25% 0.25% 0.20% 0.20% 0.20% 0.20% | 2718 3094 319 324 214 174 47 375 126 139 159 126 3 | 99.3% 99.6% 94.4% 97.0% 98.6%. 87.4% 100.0% 99.5% 82.7% 99.4% 78.3% 100.0% | 2.00% 3.00% 8.00% 3.00% 10.00% 2.00% 2.00% 8.00% 1.00% 1.00% 2.00% 1.00% 2.00% | 2580 2944 335 326 210 189 47 330 149 154 158 129 3 | 94.3% 94.6% 99.1% 97.6% 96.6% 95.0% 100.0% 87.5% 100.0% 91.7% 98.8% 80.1% 100.0% |
| 2001 Crop | | | 100,070 | | | 100,070 | | , | | | • | 100.070 |
| Tall fescue Perennial ryegrass Kentucky bluegrass Chewings fescue Red fescue Orchardgrass Wheat Hard fescue Creeping bentgrass Rough bluegrass Colonial bentgrass Annual ryegrass | 98.00% 97.00% 92.00% 97.00% 1097.00% 98.00% 97.00% 98.00% 98.00% 98.00% 98.00% | 2510 1952 313 137 87 134 30 90 90 85 66 104 | 89.3% 93.1% 97.8% 95.1% 93.5% 93.1% 100.0% 91.8% 100.0% 81.5% 98.1% | 0.50% 0.50% 0.25% 0.25% 0.50% 0.50% 0.50% 0.50% 0.50% 0.50% | 2685 2094 319 144 93 124 26 97 98 76 81 106 | 95.5% 99.9% 99.7% 100.0% 100.0% 86.1% 86.7% 99.0% 100.0% 89.4% 100.0% | 0.30% 0.50% 0.30% 0.30% 0.30% 0.30% 0.30% 0.30% 0.30% | 2800 2094 313 141 85 141 29 94 98 85 68 106 | 99.6% 99.9% 97.8% 97.9% 91.4% 97.9% 96.7% 95.9% 100.0% 84.0% 100.0% | 2 00% 3 00% 6 00% 3 00% 3 00% 1 00% 2 00% 2 00% 2 00% 1 00% 1 00% | 2599 1956 313 137 90 138 30 91 90 85 69 104 | 92.4% 93.3% 97.8% 95.1% 96.8% 95.8% 100.0% 92.9% 91.8% 100.0% 85.2% 98.1% |
| 2002 Crop | | | | | | | | | | | | |
| Tall fescue Perennial ryegrass Kentucky bluegrass Orchardgrass Wheat Red fescue Chewings fescue Colonial bentgrass Creeping bentgrass Hard fescue Annual ryegrass Rough bluegrass Oat | 99,00%, 97,00%, 92,00%, 99,00%, 98,00%, 97,00%, 97,00%, 97,00%, 98,00%, 97,00%, 98,00%, 98,00%, 98,00%, 98,00%, 98,00%, 98,00%, | 2854 1919 399 187 51 67 76 67 38 44 140 47 | 92.0% 92.4% 99.0% 93.5% 98.1% 93.8% 85.9% 88.4% 83.0% 97.9% 100.0% | 0.50% 0.50% 0.26% 0.60% 0.05% 0.05% 0.25% 0.50% 0.25% 0.50% 0.25% | 2926 2075 394 159 51 71 80 77 43 51 141 44 | 94.4% 99.9% 97.8% 79.5% 98.1% 98.6% 98.8% 98.7% 100.0% 96.2% 98.6% 90.9% | 0.30% 0.50% 0.30% 0.30% 0.30% 0.30% 0.25% 0.25% 0.25% 0.25% 0.30% 0.30% 0.30% | 3091 2071 397 194 52 65 79 69 43 49 142 46 | 99.7% 99.7% 98.5% 97.0% 100.0% 97.5% 88.5% 100.0% 92.5% 97.9% 100.0% | 2.00% 3.00% 8.00% 10.00% 2.50% 2.300% 3.00% 2.00% 2.00% 3.00% 1.00% 8.00% 8.00% | 2968 1925 399 196 51 67 78 68 38 44 142 47 | 95.7% 92.7% 99.0% 98.0% 98.1% 93.1% 96.3% 87.2% 88.4% 83.0% 99.3% 100.0% |
| Tall fescue Perennial ryegrass Kentucky bluegrass Wheat Orchardgrass Red fescue Colonial bentgrass Chewings fescue Creeping bentgrass Rough bluegrass Annual ryegrass Barley | 98.00% 97.00% 85.00% 98.00% 99.00% 97.00% 98.00% 97.00% 98.00% 99.00% | 2027 1958 278 54 140 45 77 34 13 71 60 | 91.2% 93.1% 96.9% 100.0% 91.5% 95.7% 74.8% 91.9% 68.4% 100.0% 92.3% 100.0% | 0.50% # 0.50% # 0.50% 0.55% 0.55% 0.55% 0.25% 0.50% 0.25% 0.25% 0.50% 0. | 2118 2076 280 54 110 47 102 36 19 68 65 4 | 95.3% 98.8% 97.6% 100.0% 71.9% 100.0% 97.3% 100.0% 95.8% 100.0% | 0.30% 0.50% 0.30% 0.03% 0.03% 0.30% 0.25% 0.30% 0.25% 0.30% 0.30% | 2218 2087 275 54 145 45 92 36 19 70 62 4 | 99.8% 99.3% 95.8% 100.0% 94.8% 95.7% 89.3% 97.3% 100.0% 98.6% 95.4% 100.0% | 2,00% 3,00% 5,00% 2,00% 10,00% 3,00% 2,00% 3,00% 5,00% 1,00% 1,00% | 2098 1977 279 54 148 45 82 34 13 71 62 4 | 94.4% 94.1% 97.2% 100.0% 96.7% 95.7% 79.6% 91.9% 60.0% 95.4% 100.0% |

[&]quot;Values are listed for crops exceeding 1000 acres of certification production. Test data is derived from OSU Seed Laboratory evaluation of original certified samples representing Oregon production. Values for Perennial and Annual ryegrass are based on mechanical purity exam, and are not restated according to the fluorescence or grow-out results.

Data for 2000 as of 11/28/2001.

Data for 2002 as of 11/28/2002.

Data for 2003 as of 12/27/2023.

Data for 2003 as of 12/2/2003.

| 2000 Crop | Number tested | | Prevale | Prevalent Contaminant Seeds and Percentage of Samples | | | | | | | |
|-----------------------|---------------|--------------------|---------|---|-----|---------------------|-----|---------------------|-----|--------------------|--------------|
| | | 1st | | 2nd | | 3rd | | 4th | _ | 5th | <u> </u> |
| Fall fescue | 2736 | Ryegrass | 39% | Annual bluegrass | 8% | Orchardgrass | 4% | Downy brome | 3% | Curty dock | 3 |
| Perennial ryegrass | 3105 | Annual ryegrass | | Annual bluegrass | 9% | Rattail fescue | 7% | Downy brome | 4% | Fine fescue | 2 |
| Kentucky bluegrass | 338 | Witchgrass | | Henbit | 6% | Canada bluegrass | | Rattail fescue | | Rough bluegrass | 5 |
| Chewings fescue | 334 | Rattail fescue | | Annual bluegrass | 7% | Ryegrass | | Downy brome | | Field chamomile | ٠ <u>-</u> 2 |
| Orchardgrass | 217 | Ryegrass | | Annual bluegrass | | Tall fescue | | Curly dock | | Rough bluegrass | 13 |
| Red fescue | 199 | Rattail fescue | | Downy brome | | Ryegrass | | Annual bluegrass | | Kentucky bluegrass | 4 |
| Wheat . | 47 | Oat | | Ryegrass | | Red wheat | | Wild radish | | not applicable | 7 |
| | 377 | Annual bluegrass | | Colonial bentgrass | | Kentucky bluegrass | | Western yellowcress | | Wild carrot | 1 |
| Creeping bentgrass | | | | | | | | | | | |
| Rough bluegrass | 149 | Kentucky bluegrass | | Windgrass | | Rattail fescue | | Henbit | 6% | Foxtail | 5 |
| Hard fescue | 168 | Rattail fescue | | Ryegrass | | Annual bluegrass | | Downy brome | 4% | | 2 |
| Annual ryegrass | 160 | Perennial ryegrass | | Annual bluegrass | | Rattail fescue | | Foxtail | | Ladysthumb | 2 |
| Colonial bentgrass | 161 | Velvetgrass | 31% | Foxtail | 18% | Toad rush | 18% | Annual bluegrass | 13% | Silver hairgrass | 13 |
| Alfalfa ' | 3 | - | | ~ | | | - | - | - | - | - |
| Barley . | 4 | l ~ | - | | - | - | •• | - | | - | |
| 2001 | | | | | | | | | | | 1 |
| Tall fescue | ┘' 2812 | Ryegrass | | Annual bluegrass | | Orchardgrass | | Downy brome | | Bedstraw | 2 |
| Perennial ryegrass | 2097 | Annual ryegrass | | Annual bluegrass | 7% | Rattail fescue | 6% | Tall fescue | 2% | Downy brome | 2 |
| (entucky bluegrass | 320 | Rough bluegrass | | Rattail fescue | 5% | Lemmons alkaligrass | 4% | Witchgrass | 4% | Annual bluegrass | 4 |
| Chewings fescue | 144 | Rattail fescue | | Ryegrass | 5% | Annual bluegrass | | Downy brome | 2% | | 1 |
| Red fescue | 93 | Rattail fescue | | Downy brome | | Annual bluegrass | | Field pennycress | | Henbit | 3 |
| Orchardgrass | 144 | Ryegrass | | Tall fescue | | Annual bluegrass | | Wild carrot | 6% | Curly dock | ē |
| | 30 | Red wheat | | | | Brassica sp. | | Shepherdspurse | 3% | | 3 |
| Vheat | 98 | | | Downy brome | | | | | | Kentucky bluegrass | |
| lard fescue | | Rattail fescue | | Ryegrass | | Downy brome | | Annual bluegrass | 3% | | 2 |
| reeping bentgrass | 98 | Annual bluegrass | | Bedstraw | | Wild carrot | | Common plantain | 1% | Sticky mouse-ear | 1 |
| Rough bluegrass | 85 | Kentucky bluegrass | | Rattail fescue | | Windgrass | | Henbit | 6% | | 6 |
| Colonial bentgrass | 81 | Sticky mouse-ear | | Velvetgrass | | Toad rush | | Rough bluegrass | | Silver hairgrass | 10 |
| Annual ryegrass ,' | 106 | Perennial ryegrass | 32% | Burr chervil | 7% | Annual bluegrass | 5% | Foxtail | 4% | Wild oat | 3 |
| 2002 | | | | | | | | | | ' . | |
| all fescue | | Ryegrass | 34% | Annual bluegrass | 6% | Orchardgrass | 3% | Downy brome | 2% | Hairy chess | • 2 |
| Perennial ryegrass | 2077 | Annual ryegrass | | Annual bluegrass | 11% | Rattail fescue | | Fine fescue | 3% | Tall fescue | 2 |
| entucky bluegrass | 403 | Rough bluegrass | | Annual bluegrass | | Witchgrass | | Henbit | | Ryegrass | 3 |
| Orchardgrass | 200 | Ryegrass | | Tall fescue | | Annual bluegrass | | Rough bluegrass | | Curly dock | 10 |
| | | | | | | | | | | | |
| Vheat | 52 | Brassica sp. | | Oat | | Barley | | Ryegrass | | Bamyardgrass | 3 |
| Red fescue | 72 | Rattail fescue | | Downy brome | | Ryegrass | | Annual bluegrass | | Bulbous bluegrass | 4 |
| hewings fescue | 81 | Rattail fescue | | Ryegrass | | Field chamomile | | Sedge | 2% | | 2 |
| Colonial bentgrass | 78 | Velvetgrass | | Westem yellowcress | | Toad rush | | Rough bluegrass | 9% | | 8 |
| reeping bentgrass | 43 | Willowherb | | Wild carrot | 2% | Shepherdspurse | | Annual bluegrass | 2% | Common groundsel | - 2 |
| lard fescue | 53 | Rattail fescue | | Ryegrass | | Annual bluegrass | | Spotted cat's-ear | 9% | | - (|
| nnual ryegrass | 143 | Annual bluegrass | 18% | Perennial ryegrass | | Rattail fescue | 10% | Wild oat | | Tall fescue | : |
| lough bluegrass | 47 | Kentucky bluegrass | 19% | Windgrass | 6% | Rattail fescue | 6% | Henbit | 4% | Pigweed | |
| at | 11 | Wheat | 9% | Wild radish | 9% | Common wheat | 9% | Wild buckwheat | 9% | not applicable | |
| 2003 | 7 | | | | | | | | | | |
| all fescue | | Ryegrass | 34% | Annual bluegrass | 5% | Hairy chess | 3% | Orchardgrass | 3% | Curly dock | : |
| erennial ryegrass | 2102 | Annual ryegrass | | Annual bluegrass | | Rattail fescue | | Fine fescue | | Tall fescue | |
| entucky bluegrass | 287 | Rattail fescue | | Rough bluegrass | 7% | Henbit | | Witchgrass | | Downy brome | |
| Vheat | 54 | Bedstraw | | Ryegrass | 2% | Downy brome | | Tall fescue | 2% | | ` |
| rchardgrass | 153 | Ryegrass | | Annual bluegrass | | Tall fescue | | Mountain brome | | Rough bluegrass | _ { |
| led fescue | 47 | Rattail fescue | | Ryegrass | 9% | Downy brome | | Kentucky bluegrass | | Henbit | , |
| | | | | | | | | | | | |
| olonial bentgrass | 103 | Toad rush | | Velvetgrass | 19% | Sticky mouse-ear | | Western yellowcress | | Rough bluegrass | |
| hewings fescue | 37 | Rattail fescue | | Ryegrass | | Field chamomile | | Henbit | | Trefoil | |
| reeping bentgrass | 19 | Annual bluegrass | | Willowherb | | Western yellowcress | | Common plantain | | Colonial bentgrass | |
| ough bluegrass | 71 | Kentucky bluegrass | | Rattail fescue | 14% | Windgrass | | Annual bluegrass | | Henbit | |
| nnual ryegrass | 65 | Perennial ryegrass | 20% | Soft chess | 8% | Tall fescue | 8% | | 6% | Mannagrass | |
| arley | 4 | Wheat | 25% | | | 1 | _ | i . | | | |

[&]quot;Values are listed for crops exceeding 1000 acres of certification production. Test data is derived from OSU Seed Laboratory evaluation of original certified samples representing Oregon production. Values for Perennial and Annual ryegrass are based on mechanical purity exam, and are not restated according to the fluorescence or grow-out results.

Data for 2000 as of 11/28/2001.

Data for 2001 as of 11/28/2001.

Data for 2002 as of 12/2/2002. Data for 2003 as of 12/2/2003.

| 2000 | Percentage of | | | | | |
|--------------------|---------------|--|--|--|--|--|
| | Samples_ | | | | | |
| | | | | | | |
| Annual ryegrass | 24.6% | | | | | |
| Ryegrass | 15.6% | | | | | |
| Annual bluegrass | 8.9% | | | | | |
| Rattail fescue | 8.2% | | | | | |
| Downy brome | 3.5% | | | | | |
| Kentucky bluegrass | 2.7% | | | | | |
| Tall fescue | 1.7% | | | | | |
| Orchardgrass | 1.7% | | | | | |
| Curly dock | 1.7% | | | | | |
| Rough bluegrass | 1.6% | | | | | |

| 2001 | Percentage of Samples | | | | |
|--------------------|-----------------------|--|--|--|--|
| | | | | | |
| Annual ryegrass | 21.8% | | | | |
| Ryegrass | 14.3% | | | | |
| Rattail fescue | 5. 8% | | | | |
| Annual bluegrass | 5.4% | | | | |
| Downy brome | 2.7% | | | | |
| Kentucky bluegrass | 1.6% | | | | |
| Bedstraw | 1.6% | | | | |
| Orchardgrass | 1.6% | | | | |
| Tall fescue | 1.5% | | | | |
| Curly dock | 1.1% | | | | |

| 2002 | Percentage of Samples | | | | |
|--------------------|--------------------------|--|--|--|--|
| | | | | | |
| Ryegrass | 20.1% | | | | |
| Annual ryegrass | 19.9% | | | | |
| Annual bluegrass | 9.1% | | | | |
| Rattail fescue | 5.5% | | | | |
| Downy brome | 2.1% | | | | |
| Tall fescue | 2.0% | | | | |
| Kentucky bluegrass | 1.7% | | | | |
| Rough bluegrass | 1.6% | | | | |
| Orchardgrass | 1.6% | | | | |
| Fine fescue | 1.5% | | | | |

| 2003 | Percentage of Samples |
|------------------|-----------------------|
| | |
| Annual ryegrass | 27.9% |
| Ryegrass | 17. 7 % |
| Annual bluegrass | 9. 2% |
| Rattail fescue | 6.1% |
| Tall fescue | 2.6% |
| Hairy chess | 2.2% |
| Fine fescue | 2.1% |
| Downy brome | 1.8% |
| Curly dock | 1.4% |
| Rough bluegrass | 1.3% |
| | |

Data for 2000 as of 11/28/2001.

Data for 2001 as of 11/28/2001.

Data for 2002 as of 12/2/2002.

Data for 2003 as of 12/2/2003.

^{*} Test data is derived from OSU Seed Laboratory evaluation of original certified samples representing Oregon production.